



MI-CW2510

Michigan Crop Weather

June 21, 2010

Rain Returns

Five days were suitable for fieldwork during the week ending June 20, according to the USDA, NASS, Michigan Field Office. Precipitation varied from 0.38 inches in the east central Lower Peninsula to 1.54 inches in the southwest Lower Peninsula. Average temperatures ranged from 2 degree above normal in the western Upper Peninsula to 4 degrees above normal in the southeast Lower Peninsula. Where dry, producers were able to finish planting, and got some spraying done. Some thunderstorms passed through central and southern Michigan this week keeping some fields wet. Other activities for the week included hay harvesting. One reporter in east central Michigan stated, “We had comfortable temperatures this week with spits of rain every couple days. Hay has been getting cut and baled, but usually not without getting rained on at least once.”

Field Crops

Rainy weather continued to hinder many field activities. **Wheat** headed due to warmer weather conditions. The reports of powdery mildew, *Septoria*, and Fusarium head blight (scab) continued. The **oat** and **barley** crop followed a steady trend toward maturity. A few reports were made about lodging and cereal leaf beetle in the west central region. **Alfalfa** was in the first or second cutting stage but was delayed due to recent rains. Those that took a first cutting in late May will be ready for a second cutting soon. Potato leafhoppers are a growing concern. **Sugarbeets** were progressing well, however some fields became water-logged during recent rain showers. **Corn** continued to progress with some fields entering V8 stage in the southern part of the state. Typical pests such as corn borer, armyworm, and slugs were spotted. Early planted **soybean** acres look promising. Some acres still need to be planted. Later planted fields were dealing with poor emergence. Weather has caused a delay in spraying which led to weed control issues on corn and soybeans acres. **Drybean** planting continued. Early planted acres have emerged with a concern of root rot due to wet soils.

Fruit

Ripening seemed to be two weeks ahead of normal in the southwest, and harvest of some fruit crops began two weeks ahead of normal in the southeast. **Apples** ranged from fruit size 25 to 27 mm in the northwest to 1.5 to 2 inches in the southwest and southeast. In the west central, the crop was about 15 to 20 percent of full potential. Potato leafhoppers were present in the southwest and southeast. **Peaches** ranged from fruit size 1.2 to 1.7 inches in the southwest and southeast. The crop was estimated at 60 to 70 percent of the full potential in the west central. European **plums** were 21 mm in the northwest and 1 inch in diameter and 1.5 inch in length in the southeast and west central. **Strawberry** harvest has continued in the southwest, southeast, and Grand Rapids areas, and harvest began in the northwest. **Sweet cherries** were at 17 to 20 mm diameter and began coloring in the northwest; fruit harvest has begun on early varieties in the southwest and southeast. **Tart cherries** ranged from fruit size 15 mm in the northwest to fruit coloring in the southwest. A high level of cherry leaf spot was found in the southeast and southwest. **Pears** ranged from 23 mm diameter in the northwest to two inches in diameter in the southwest. In the west central, there was only about 10 percent of full crop potential. **Blueberries** were at fruit size 13 mm in the southeast, with green fruit in the southwest and Grand Rapids areas. Early varieties began ripening. Fruit is sizing well because of recent rainfall, and there seemed to be a complete crop in most varieties in the Grand Rapids area. **Grapes** were at first bloom in the northwest; bloom has ended and buckshot stage has begun in the southeast. Summer **raspberries** were in bloom in the northwest and were coloring in the southwest.

Vegetables

Warm weather aided the progression of all vegetable crops last week. **Asparagus** harvest was all but complete with many fields having high weed pressure. Processors in the Oceana County area will soon shut down asparagus processing for 2010. Harvest of **yellow squash**, **zucchini**, **cabbage**, **sweet peas**, **greens**, **snap beans** under tunnels, and **radishes** continued. Snap beans, in the Macomb county area were in flower. Some **potatoes** will be at retail locations, in the Macomb area, next week. **Sweet corn** development continued. Early planted fields began to tassel and had ears. Second plantings of sweet corn went in as conditions permitted. Processing **winter squash** and **pumpkin** stands looked good, but there were reports of cucumber beetles in Oceana County. Processing **broccoli** planting was underway as growers wrapped up plantings of processing zucchini. **Celery**, **carrots**, **onions**, **red beets**, **parsnips**, and radishes looked good, except in areas where crops were suffering from excessive water induced stress. The aster leafhopper index indicated a high level of infection in carrot fields. Additionally, **tomatoes**, **peppers**, **eggplant**, **melons**, **vine crops**, squash, and pumpkins also looked good and benefitted from the warm, humid temperatures. Tomatoes varied in fruit size from flower and first fruit to 2 inches in diameter. Melons began fruit formation and were running off plastic planting mediums. Cucumber beetle, flea beetle, corn earworms, European corn borers, imported cabbage worm, cabbage loopers, Colorado potato beetle and diamond back moths were active and trapped in varying crops.

Soil moisture for week ending 06/20/10

Stratum	Very short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil	0	7	71	22
Subsoil	1	8	74	17

Crop condition for week ending 06/20/10

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
All Hay	1	6	23	50	20
Barley	1	6	43	33	17
Corn	1	5	19	51	24
Oats	0	4	22	53	21
Pasture	0	5	20	51	24
Winter Wheat	1	2	14	63	20

Crop progress for week ending 06/20/10

Crop	This week	Last week	Last year	5-year average
	Inches	Inches	Inches	Inches
Corn, height	20	13	13	15
	Percent	Percent	Percent	Percent
All hay, first cutting	65	62	57	69
Barley, headed	59	28	NA	NA
Dry beans, planted	80	50	71	73
Dry beans, emerged	60	25	28	34
Oats, headed	80	64	29	48
Soybeans, planted	96	91	97	99
Soybeans, emerged	91	80	87	94
Strawberries, harvested	47	34	28	43
Winter wheat, headed	99	97	94	98
Winter wheat, turning yellow	35	NA	5	27

Michigan Weather Summary for Week Ending 06/20/10 ¹												
Station	Temperature			Cumulative growing degree days ²			Precipitation					
	Maximum	Minimum	Departure from normal	2010	2009	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
											Since April 1	For month
Ironwood	85	50		675	499		0.69	2.99	4.16	6.83		
Marquette	86	50		642	397		0.69	2.99	4.16	6.83		
Stephenson	86	50		789	555		2.33	3.84	5.26	7.44		
Western UP	86	46	2	680	453	537	0.79	3.08	4.38	6.98	8.03	3.61
Cornell	83	49		729	489		1.23	2.72	4.86	6.73		
Sault St Marie	80	48		702	389		1.39	3.03	4.46	6.61		
Eastern UP	83	48	4	657	401	407	1.32	3.38	4.95	7.08	7.41	3.26
Beulah	84	49		809	596		0.98	1.73	2.59	8.89		
Lake City	85	45		806	578		1.09	2.11	4.50	10.60		
Old Mission	87	48		794	524		0.74	3.26	4.19	9.38		
Pellston	85	42		786	502		1.07	3.36	4.94	7.70		
Northwest	87	42	2	772	527	632	0.75	2.55	3.81	8.77	7.25	3.03
Alpena	85	46		759	518		0.91	3.12	4.38	9.21		
Houghton Lake	85	46		848	571		0.67	1.62	4.47	8.48		
Rogers City	85	49		701	536		1.22	3.89	4.87	9.42		
Northeast	86	46	2	797	548	600	0.88	2.59	4.69	9.02	7.23	2.90
Fremont	85	51		936	676		0.05	0.42	1.34	6.00		
Hart	85	51		858	618		2.79	3.34	3.94	8.18		
Muskegon	84	59		959	704		0.11	1.05	1.85	6.81		
West Central	85	48	3	898	662	712	1.23	1.82	2.57	7.31	7.85	2.94
Alma	88	54		962	669		0.39	0.89	3.72	11.20		
Big Rapids	88	50		886	660		0.49	0.71	2.53	10.76		
Central	88	50	3	923	665	763	0.54	0.85	3.03	9.43	8.00	3.36
Bad Axe	87	55		879	586		0.24	0.87	5.68	9.81		
Pigeon	88	54		881	583		0.26	0.63	2.98	7.62		
Saginaw	88	56		1,011	678		0.47	0.79	2.97	8.07		
Standish	87	50		852	604		0.53	1.06	5.38	10.94		
East Central	88	50	3	876	614	740	0.38	0.77	3.89	9.34	7.23	3.08
Fennville	86	56		948	725		1.67	1.97	6.70	12.98		
Grand Rapids	89	55		1,061	806		3.54	4.32	6.84	14.54		
Holland	89	57		1,095	824		1.56	1.97	7.90	16.40		
South Bend, IN	90	60		1,087	893		1.52	2.34	4.26	12.26		
Watervliet	88	57		1,023	794		1.81	2.33	4.87	11.37		
Southwest	91	50	3	1,027	807	817	1.54	2.10	4.72	11.34	8.65	3.55
Belding	87	48		940	692		1.58	2.19	5.07	11.48		
Coldwater	89	58		1,082	846		1.01	1.31	4.37	11.78		
Lansing	88	60		1,036	735		0.25	0.54	3.09	9.94		
South Central	89	48	3	1,001	759	820	1.14	1.64	4.36	11.53	8.34	3.57
Detroit	89	60		1,128	856		0.40	0.56	4.11	10.93		
Flint	88	59		1,030	732		0.37	0.45	1.88	9.34		
Romeo	88	56		958	719		0.22	0.44	2.15	9.60		
Tipton	88	55		1,028	801		0.64	1.33	3.74	13.33		
Toledo, OH	86	57		1,161	898		0.30	0.84	4.38	12.90		
Southeast	91	53	4	1,041	811	786	0.40	0.86	2.95	11.10	8.25	3.36

¹ Issued by the USDA, NASS, Michigan Field Office in cooperation with the U.S. Department of Commerce, Michigan State University Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

² Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.